

WHAT IS CLAIMED IS:

1. A method of fabricating a liquid crystal cell for a small size liquid crystal display device, comprising the steps of:

5 preparing a lower substrate having a plurality of first unit cells composed of array devices at a first region, a plurality of inspection pads at a second region, an inspection line connecting the inspection pads and the plurality of first unit cells, and data and gate lines at the first region;

10 preparing an upper substrate having a plurality of second unit cells composed of color filter at a third region, a fourth region, a plurality of scribe keys at a border between the third and fourth regions and a common line at the third region;

forming a seal pattern on the first region of the lower substrate;

forming a liquid crystal layer on the lower substrate having the seal pattern;

aligning and attaching the upper and lower substrates;

15 exposing the inspection pads of the lower substrate by scribing and breaking the upper substrate along the scribe keys; and

performing an ON/OFF inspection of all the unit liquid crystal cells by applying a voltage to the inspection pads of the lower substrate.

20 2. The method of fabricating a liquid crystal cell for a small size liquid crystal display device according to claim 1, further comprising the steps of:

cutting the liquid crystal cell substrate into the unit cells; and

performing a grinding process, wherein an edge of the unit liquid crystal cell is polished.

3. The method of fabricating a liquid crystal cell for a small size liquid crystal display device according to claim 2, wherein the liquid crystal is formed before the cutting process.

5 4. The method of fabricating a liquid crystal cell for a small size liquid crystal display device according to claim 3, wherein after the cutting process, a shorting bar for protecting the cell from static electricity is cut before the grinding process.

10 5. The method of fabricating a liquid crystal cell for a small size liquid crystal display device according to claim 1, wherein the lower and upper glass substrates are made of glass.

15 6. The method of fabricating a liquid crystal cell for a small size liquid crystal display device according to claim 5, wherein the lower and upper glass are about 370 X 470 mm² in size.

20 7. The method of fabricating a liquid crystal cell for a small size liquid crystal display device according to claim 1, wherein the inspection pads are composed of first inspection pads connected to the gate and data lines, and second inspection pads connected to the common line.

8. The method of fabricating a liquid crystal cell for a small size liquid crystal display device according to claim 7, further comprising the steps of:

cutting the liquid crystal cell substrate into the unit cells; and

performing a grinding process, wherein an edge of the unit liquid crystal cell is polished.

9. The method of fabricating a liquid crystal cell for a small size liquid crystal display device according to claim 1, wherein the liquid crystal is formed in a vacuum chamber by a dispensing method.

10. The method of fabricating a liquid crystal cell for a small size liquid crystal display device according to claim 9, wherein the lower and upper substrates are aligned and attached in the vacuum chamber.

11. A liquid crystal cell for a small size liquid crystal display device, comprising:

a lower substrate having a plurality of first unit cells composed of array devices at a first region, a plurality of inspection pads at a second region, an inspection line connecting the inspection pads and the plurality of first unit cells, and data and gate lines at the first region;

an upper substrate having a plurality of second unit cells composed of color filter at a third region, a fourth region, a plurality of scribe keys at a border between the third and fourth regions and a common line at the third region; and

a liquid crystal layer interposed between the upper and lower substrates.

12. The liquid crystal display device according to claim 11, wherein the lower and upper glass substrates are made of glass.

13. The liquid crystal display device according to claim 12, wherein the lower and upper glass are about 370 X 470 mm² in size.